

KartEEK Alahari

Inria Grenoble - Rhône-Alpes, Thoth project-team, LJK
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EMPLOYMENT

Inria, Grenoble, France
Inria / LJK / CNRS UMR 5224 / Université Grenoble Alpes
In the Thoth project-team (previously known as LEAR)
Research Director (directeur de recherche Inria) Oct 2023 -
Research Scientist (chargé de recherche Inria) Oct 2015 - Sep 2023
Researcher (CDD Scientifique) Sep 2013 - Sep 2015

Inria & École Normale Supérieure, Paris, France Sep 2010 - Aug 2013
Inria / CNRS UMR 8548 / École Normale Supérieure
Postdoctoral Fellow in the WILLOW project-team

Oxford Brookes University, Oxford, UK Apr - Aug 2010
Postdoctoral Research Assistant (part-time)

Oxford Brookes University, Oxford, UK Nov 2005 - Mar 2010
Postgraduate Student Researcher

Microsoft Research, Redmond, USA May - Aug 2004
Research Intern

EDUCATION

Habilitation à diriger des recherches (HDR) Jan 2019
“Human, Motion and Other Priors for Partially-Supervised Recognition”
Reviewers: K. Grauman (UT Austin), V. Lepetit (U. Bordeaux), A. Zisserman (U. Oxford), Examiners: A. Efros (UC Berkeley), D. Ramanan (CMU), C. Schmid (Inria), President: J. Ponce (Inria)
Université Grenoble Alpes, Grenoble, France

Ph.D., Computing Jul 2010
“Efficient Inference and Learning for Computer Vision Labelling Problems”
Adviser: Philip H. S. Torr
Examiners: Catherine Hobbs (UWE Bristol), Roberto Cipolla (U. Cambridge)
Oxford Brookes University, Oxford, UK

M.S. by Research, Computer Science Jul 2005
International Institute of Information Technology (IIIT), Hyderabad, India

B.Tech. (Hons.), Computer Science and Engineering Jul 2004
International Institute of Information Technology (IIIT), Hyderabad, India

SELECTED AWARDS

IJCV Outstanding Editorial Board Member award, 2024.
ELLIS Fellow, 2024.
Best paper runner-up award, ICVGIP 2022.
Winning submission to the video pentathlon challenge held at CVPR 2020.
Outstanding reviewer award at NeurIPS 2020: awarded to the top 10% reviewers.

Inria award for research and doctoral training (formerly known as scientific excellence award) 2016, 2021. Each award is granted for a 4-year period.

Promoted senior member of IEEE in 2017: According to IEEE, only 10% of over 420,000 members hold this grade.

Winner of the visual object tracking challenge (VOT-TIR track) held at ICCV 2015.

Google Research Award 2015: One of the 12 awardees in machine perception worldwide.

Member of the team ranked 1st out of 11 participants in one of the competitions in the TRECVID 2014 challenge (video retrieval evaluation).

GE Foundation Scholar (2004 - 2005): One of the 73 postgraduate students in India to have received this scholarship awarded by The GE Foundation.

Dean's List I for academic excellence (2001 - 2004): Awarded to the top 5% of the class. I received this award for 7 consecutive semesters, from when it was introduced, until the end of my undergraduate. Ranked first in the graduating class of 144 students.

RESEARCH GROUP

Postdocs (4 former):

- Heeseung Kwon, Inria, 2021 - 2024
- D. Khuê Lê-Huu, Inria, 2020 - 2023
- Henrique Morimitsu, Inria, with Cordelia Schmid, 2016 - 2018
- Anoop Cherian, Inria, with Julien Mairal and C. Schmid, 2013 - 2015

PhD students (5 current, 15 former):

- Yedidia Agnimo, Ekimetrics/Inria, with Anna Korba, since 2025
- Francois Porcher, Meta/Inria, with Shizhe Chen, since 2025
- Amogh Tiwari, Univ. Grenoble Alpes, with Pia Bideau, since 2024
- Tariq Berrada Ifriqi, Meta/Inria, since 2023
- Avijit Dasgupta, *Google India PhD Fellow*, IIIT Hyderabad, India, with C. V. Jawahar, since 2017
- Zhiqi Kang, Inria, 2021 - 2025, defended: 28/11/2025
- Jules Bourcier, Preligens/Inria, with Jocelyn Chanussot, 2021 - 2024, defended: 06/11/2024
- Lina Mezghani, Facebook AI Research/Inria, 2020 - 2023, defended: 03/07/2023
- Mert Bulent Sariyildiz, NaverLabs Europe/Inria, 2020 - 2023, defended: 29/06/2023
- Hubert Leterme, Univ. Grenoble Alpes, with Valérie Perrier, 2019 - 2023, defended: 14/06/2023
- Florent Bartoccioni, Valeo AI/Inria, 2020 - 2023, defended: 30/05/2023
- Ekaterina Iakovleva, Univ. Grenoble Alpes, 2019 - 2022, defended: 07/12/2022
- Valentin Gabeur, Google/Inria, 2019 - 2022, defended: 05/10/2022
- Vladyslav Sydorov, Inria, with C. Schmid, 2016 - 2020, defended: 10/05/2021
- Thomas Lucas, Univ. Grenoble Alpes, with Jakob Verbeek, 2018 - 2020, defended: 25/09/2020
- Konstantin Shmelkov, Inria, with C. Schmid, 2017 - 2019, defended: 29/03/2019
- Nicolas Chesneau, Inria, with C. Schmid, 2014 - 2017, defended: 23/02/2018

- Pavel Tokmakov, Inria, with C. Schmid, 2014 - 2018, defended: 04/06/2018
- Yang Hua, Inria, with C. Schmid, 2013 - 2016, defended: 10/06/2016
- Anand Mishra, *Microsoft Research India PhD Fellow 2012, first runner-up for the Xerox Research India Doctoral Dissertation award 2015*, IIIT Hyderabad, India, with C. V. Jawahar, 2011 - 2016, defended: 18/11/2016

Research Engineer and Masters (7 former):

- Loïc Arbez, Inria, Engineer, 2022 - 2023
- Arnaud Massenet (funded by ATP), April - Sep 2020
- Hubert Leterme, with V. Perrier, Feb - June 2019
- Matthieu Toulemont, with C. Schmid, April - Sep 2019
- Vu Tuan Hung, with Remi Ronfard, Feb - June 2017
- Valentin Thomas, with C. Schmid, April - July 2016
- Vladyslav Sydorov, with Adrien Gaidon (Xerox) and C. Schmid, 2015
- Udit Roy, with C. V. Jawahar, 2014 - 2015

TEACHING

Ensimag , Grenoble, France Co-instructor, M2 <i>Perception, 3D vision and learning</i> course.	2024-'25
African Computer Vision Summer School (ACVSS), Nairobi, Kenya Invited lecture on learning visual representations.	2024
Ensimag , Grenoble, France Co-instructor, M2 <i>Continual Learning of Visual Representations</i> course.	2023-'24
Iberian Conf. Pattern Recognition and Image Analysis (IbPRIA), Alicante, Spain Invited tutorial on continual learning.	2023
Open Data Science Conference (ODSC) Europe Invited tutorial on continual visual learning.	2022
Univ. Grenoble Alpes , Grenoble, France Co-instructor, MoSIG <i>Advanced Machine Learning: Application to Vision, Audio and Text</i> course.	2022-'25
Centrale Supélec Paris , Gif-sur-Yvette, France Co-instructor, MVA <i>Discrete Inference and Learning</i> course.	2017-'26
École Normale Supérieure , Paris, France Co-instructor, M1 <i>Introduction to Computer Vision</i> course.	2017-'24
Ensimag , Grenoble, France Co-instructor, M2 <i>Understanding Big Visual Data</i> course.	2016-'23
Machine Learning Summer Schools (MLSS), Taipei, Taiwan Invited lecturer, part of an established series of summer schools worldwide.	2021
Univ. Grenoble Alpes , Grenoble, France Co-instructor, MoSIG <i>Machine Learning for Multimodal Data</i> course.	2021-'22

IIIT, Hyderabad, India
 Instructor, annual school in computer vision and machine learning. 2017-'19, 2021

Univ. Grenoble Alpes, Grenoble, France
 Co-instructor, MoSIG *Category Learning and Object Recognition* course. 2018-'21

École Centrale Paris, Châtenay-Malabry, France
 Co-instructor, M1 *Discrete Optimization* course. 2015-'17

Ensimag, Grenoble, France
 Co-instructor, M2 *Multimedia databases* course. 2013-'15

École Normale Supérieure, Paris, France
 Guest lecturer, Jean Ponce's *computer vision* course. Sep 2010 - Aug 2012

ENS/Inria - WILLOW, Paris, France
 Tutorial on combinatorial optimization in computer vision. Mar 2011

IIIT, Hyderabad, India
 Full-day tutorial on discrete optimization in computer vision. Dec 2009

IIIT, Hyderabad, India
Teaching Assistant: Discrete Mathematics, Computer Organization. 2004, 2002

RESEARCH GRANTS

- PI, PhD grant with Ekimetrics, 2025 - 2028
- PI, PhD grant with Meta, 2025 - 2028
- PI, Grant funded by Korean government through NAIRL, 2025 - 2027
- PI, Toyota Motor Europe collaboration, 2025
- PI, CIFRE PhD grant with Meta, 2023 - 2026
- co-PI, CIFRE PhD grant with Prelegens, 2021 - 2024
- PI, CIFRE PhD grant with NaverLabs Europe, 2020 - 2023
- PI, CIFRE PhD grant with Valeo AI, 2019 - 2023
- PI, CIFRE PhD grant with Facebook AI, 2019 - 2023
- PI, ANR JCJC grant AVENUE, 2019 - 2023
- PI, CIFRE PhD grant with Google, 2019 - 2022
- PI, Inria Associate team GAYA, 2019 - 2021, co-PI: Katerina Fragkiadaki (CMU, USA)
- Member, EASYTECH PLATYPUS project, 2018 - 2019
- co-PI, PEPS AMIES AuMalis project, 2017 - 2019, PI: Valérie Perrier (UGA)
- PI, Inria Associate team GAYA, 2016 - 2018, co-PI: Deva Ramanan (CMU, USA)
- co-PI, Indo-French collaborative research program with IIIT Hyderabad, 2016 - 2018, funded by CEFIPRA, PI: C. Schmid
- PI, Google Research Award, 2015, co-PI: C. Schmid

**INVITED TALKS
& PANELS**

<i>Are Low-Resource Vision-Language Models Viable?</i> Global AI Frontiers Symposium, South Korea	Oct 2025
<i>AI as a Scientific Pilot?</i> Journées de Statistique de la SFdS (JdS) Open Science DaysUGA	Jun 2025 Nov 2025
<i>Learning Visual Representations</i> Inria-Waterloo workshop, Canada	May 2025
<i>FoMO without FOMOs?</i> ELLIS Workshop-Multimodal Foundation Models, Oberwolfach, Germany	Jan 2024
<i>Intelligence Artificielle</i> Sfen workshop - AI for Material Science for the Nuclear Industry, Online Université Inter Âges Du Dauphiné (UIAD), Grenoble	Dec 2025 Dec 2023
<i>Self-supervised models for navigation and depth estimation</i> National University of Singapore (NUS), Singapore	Dec 2022
<i>Self-supervised models for exploration, navigation and continual learning</i> University of Bristol , Online	May 2022
<i>Panel discussion on computer vision for India</i> Vaibhav Summit , Govt. of India Initiative, Online	Oct 2020
<i>Automatic Understanding of the Visual World</i> Panel on AI and Mathematics, Knowledge Summit , Lyon, France	Oct 2019
<i>Actions and Objects</i> LIAMA workshop, Paris, France	Apr 2019
<i>Weakly-supervised and Incremental Learning</i> IISc , Bangalore, India	Dec 2018
<i>Incremental Learning</i> Valeo AI , Paris, France Hyderabad AI Symposium , India	Dec 2018 Dec 2018
<i>Weakly-supervised and Incremental Learning</i> Simon Fraser Univ. , Vancouver, Canada POSTECH , Pohang, South Korea	Nov 2018 Oct 2018
<i>Actor and Observer: Joint Modeling of First and Third-Person Videos</i> COVIEW workshop, ACM Multimedia, Seoul, South Korea	Oct 2018
<i>Automatic Understanding of the Visual World</i> <i>Le Futur des Images</i> workshop, IXXI , Lyon, France	Oct 2018
<i>Learning Motion Patterns for Weakly-supervised Semantic Segmentation</i> Toyota Research Institute (TRI), Los Altos, USA Universidad de Málaga, Málaga , Spain	Aug 2018 Apr 2018

<i>Incremental Learning without Catastrophic Forgetting</i> CVPR AC Meeting, Toronto, Canada	Feb 2018
<i>Deep Learning with Weak/Self Supervision</i> ETH Zurich Photogrammetry group retreat talk, Morzine, France	Jan 2017
<i>Learning Motion Patterns and their use for Semantic Segmentation</i> Mysore Park Workshop on Vision, Language and AI, Mysore, India	Dec 2016
<i>What can we do with motion cues?</i> Carnegie Mellon University (CMU), Pittsburgh, USA	Jul 2016
<i>Scene Understanding in Videos: Tracking and Pose Estimation</i> IST Austria , Klosterneuburg, Austria	Sep 2015
<i>Efficient Inference Algorithms for Scene Understanding Problems</i> 5th Workshop on Algorithmic issues for Inference in Graphical Models (AIMG), Paris, France	Sep 2015
<i>Scene Understanding in Images and Videos: Segmentation, Recognition, Tracking and Pose Estimation</i> Universidad de Córdoba, Córdoba , Spain	May 2015
<i>Human Pose Estimation and Segmentation in Videos</i> 36th Pattern Recognition and Computer Vision Colloquium, CTU , Prague, Czech Republic	Apr 2015
<i>Random Field Models for Visual Scene Understanding</i> Applied Probability & Stats. Seminar, LJK , St Martin d'Hères, France	Feb 2015
<i>Scene Understanding in Videos: Segmentation, Tracking and Pose Estimation</i> Computer Vision Center (CVC), Barcelona, Spain	Oct 2014
<i>Approaches for Image Classification, and Pose Estimation and Segmentation in Videos</i> Xerox Research Center Europe (XRCE), Meylan, France	Oct 2014
<i>Scene Understanding: What more can we do with videos?</i> University of California, Berkeley , USA	Jul 2014
<i>Scene Understanding: What more can we do with videos, depth and text?</i> KTH Royal Institute of Technology, Stockholm, Sweden	May 2014
<i>Learning Graphs for Matching</i> Maori Workshop, École Polytechnique , Palaiseau, France Brookes Vision Anniversary Workshop, University of Oxford , UK	Nov 2013 Oct 2013
<i>Scene Understanding: What more can we do with videos and text?</i> A3SI group, LIGM, ESIEE Paris , France Robotics Research Group, University of Oxford , UK	Jan 2013 Sep 2012
<i>Layered Segmentation of People in Stereoscopic Videos</i> MSR-Inria workshop, Microsoft Research Cambridge , UK	Apr 2012

<i>An Efficient Energy Minimization Framework for Scene Understanding</i>	
Toyota Technological Institute at Chicago (TTIC), USA	Jun 2011
Center for Machine Perception, CTU , Prague, Czech Republic	Jun 2011
<i>Scene Understanding in an Energy Minimization Framework</i>	
IIT , Hyderabad, India	Dec 2010
Mitsubishi Electric Research Labs (MERL), Boston, USA	Jun 2010
KTH Royal Institute of Technology, Stockholm, Sweden	May 2010
École Centrale Paris , Chatenay-Malabry, France	Apr 2010
<i>Reduce, Reuse & Recycle: Efficient Discrete Optimization Methods</i>	
ETH Zurich , Zurich, Switzerland	Nov 2009
<i>Modelling and Recognition of Dynamic Events in Videos</i>	
Microsoft Research India , Bangalore, India	May 2005

**OTHER
PROFESSIONAL
ACTIVITIES**

Lead organizer - Summer Schools:

- PAISS: Artificial Intelligence Summer School, virtual, Jul 2021
- PAISS: Artificial Intelligence Summer School, Paris, Oct 2019
- PAISS: Artificial Intelligence Summer School, Grenoble, Jul 2018

Co-organizer of Workshops:

- ICCV Workshop on Robust Computer Vision across Geographies, Oct 2023
- ERC ALLEGRO Workshops on Video Recognition, Grenoble, 2014, 2015
- ECCV Workshop on Higher-Order Models and Global Constraints in Computer Vision, Florence, Oct 2012

Co-organizer of Tutorials:

- CVPR half-day tutorial on Annotation Efficient Learning, Virtual. Jun 2020
- ICPR half-day tutorial on discrete optimization, Stockholm, Sweden. Aug 2014

Guest Co-editor - Journal:

Special Issue on “Higher Order Graphical Models in Computer Vision: Modelling, Inference & Learning” in IEEE Transactions on Pattern Analysis and Machine Intelligence (PAMI), 2015

Thesis Examiner:

External:

- 2025: Mohammed-Yasser Benigmim, IP Paris, France (Jury member)
- 2025: Corentin Sautier, École des Ponts ParisTech, Paris, France (Reviewer)
- 2025: Tanay Agrawal, Université Côte d’Azur, Nice, France (Reviewer)
- 2025: Guillaume Déau, Université de Poitiers, France (President of the jury)
- 2024: Louis Fournier, Sorbonne Université, Paris, France (Reviewer)
- 2024: Deniz Engin, Université de Rennes, France (Jury member)
- 2024: Guillaume Lacharme, Université de Tours, France (Reviewer)
- 2024: Pierre Marza, INSA Lyon, France (Reviewer)
- 2024: Karim Radouane, IMT Mines Alès, France (Reviewer and president of the jury)

2024: Harsh Rangwani, IISc, Inria (Reviewer)
2024: Di Yang, Université Côte d’Azur, Nice, France (Reviewer)
2023: Romain Thoreau, ISAE-SUPAERO, Toulouse, France (Jury member)
2023: Asya Grechka, Sorbonne Université, Paris, France (Reviewer)
2023: Yuming Du, École des Ponts ParisTech, Paris, France (Reviewer)
2023: Kranti Kumar Parida, IIT Kanpur, India (Reviewer)
2023: Enrico Fini, Univ. Trento, Italy (Reviewer)
2022: Fabio Pizzati, Mines Paris, Paris, France (Jury member)
2022: Arnaud Deleruyelle, Université de Lille, Lille, France (Reviewer)
2022: Rui Dai, Université Côte d’Azur, Nice, France (Reviewer)
2022: Arthur Douillard, Sorbonne Université, Paris, France (Jury member)
2022: Edward Beeching, INSA Lyon, France (Jury member)
2021: Allison Del Giorno, Carnegie Mellon University, USA (Thesis defense)
2021: Enzo Battistella, Université Paris-Saclay, France (Reviewer)
2019: Allison Del Giorno, Carnegie Mellon University, USA (Thesis proposal)
2019: Alessandro di Martino, University of Bath, UK (External examiner)
2019: Thomas Robert, Sorbonne Université, Paris, France (Jury member)
2019: D. Khuê Lê-Huu, Université Paris-Saclay, France (Jury member)
2018: Mostafa S. Ibrahim, Simon Fraser University, Canada (External examiner)
2017: Lukáš Neumann, CTU, Prague, Czech Republic (Jury member)
2017: Raghudeep Gadde, École des Ponts ParisTech, Paris, France (Jury member)
2016: Guillaume Seguin, École Normale Supérieure, Paris, France (Jury member)
2014: Jon Almazán, Universitat Autònoma de Barcelona, Spain (Jury president)
2014: Heydar Maboudi, KTH, Stockholm, Sweden (Jury member)

Supervised students:

2025: Zhiqi Kang, Université Grenoble Alpes, Grenoble, France (Supervisor)
2024: Jules Bourcier, Université Grenoble Alpes, Grenoble, France (Supervisor)
2023: Lina Mezghani, Université Grenoble Alpes, Grenoble, France (Supervisor)
2023: M. Bulent Sariyildiz, Université Grenoble Alpes, Grenoble, France (Supervisor)
2023: Hubert Leterme, Université Grenoble Alpes, Grenoble, France (Supervisor)
2023: Florent Bartoccioni, Université Grenoble Alpes, Grenoble, France (Supervisor)
2022: Ekaterina Iakovleva, Université Grenoble Alpes, Grenoble, France (Supervisor)
2022: Valentin Gabeur, Université Grenoble Alpes, Grenoble, France (Supervisor)
2021: Vladyslav Sydorov, Université Grenoble Alpes, Grenoble, France (Co-supervisor)
2020: Thomas Lucas, Université Grenoble Alpes, Grenoble, France (Co-supervisor)
2019: Konstantin Shmelkov, Université Grenoble Alpes, Grenoble, France (Co-supervisor)
2018: Pavel Tokmakov, Université Grenoble Alpes, Grenoble, France (Co-supervisor)
2018: Nicolas Chesneau, Université Grenoble Alpes, Grenoble, France (Co-supervisor)
2016: Anand Mishra, IIIT Hyderabad, India (Thesis defense, Co-supervisor)
2016: Yang Hua, Université Grenoble Alpes, Grenoble, France (Co-supervisor)
2016: Anand Mishra, IIIT Hyderabad, India (Thesis proposal, Co-supervisor)

Editor-in-Chief: International Journal of Computer Vision, since 2026

Associate editor (Journal editorial board):

IJCV	International Journal of Computer Vision	2019 - 2025
CVIU	Computer Vision and Image Understanding	2018 - 2023

Program co-chair: ECCV 2028, BMVC 2021

Area chair (Senior program committee):

AAAI	2020
CVPR	2026 (declined), 2025, 2024, 2023, 2021, 2020, 2018
ECCV	2024, 2022, 2020
ICCV	2025, 2023, 2021, 2019
ICML	2026
ICVGIP	2018
IJCAI	2020, 2019, 2018
NeurIPS	2025, 2023
WACV	2022

Awards committee: CVPR 2021 Paper Awards Committee

Doctoral consortium co-chair, ICCV 2023

Reviewer - Funding agencies:

Canada	NSERC	Natural Sciences & Eng. Research Council	2015-'16
Chile	FONDECYT	National Fund for Scientific & Tech. Dev.	2020
EU	ERC	European Research Council	2020, 2024
France	ANR	Agence Nationale de la Recherche	2016-'17, 2019-'22
Iceland	IRF	Icelandic Research Fund	2016

Reviewer - Journals:

CVIU	Computer Vision and Image Understanding	2014-'18
IJCV	International Journal of Computer Vision	2012–
IVC	Image and Vision Computing	2008
JMLR	Journal of Machine Learning Research	2014
PAMI	IEEE Transactions on Pattern Analysis and Machine Intelligence	2011–

Other journals: CVA, (IPJS Trans. Computer Vision and Applications), JRTIP (Journal of Real-Time Image Processing), RAS (Robotics and Autonomous Systems), TVC (The Visual Computer)

Reviewer - Conferences:

CVPR	IEEE Conf. Computer Vision & Pattern Recognition	2008, 2012-'17 2019, 2026
ECCV	European Conf. Computer Vision	2010, 2012, 2014, 2016
ICCV	IEEE Intl. Conf. Computer Vision	2011, 2013, 2015, 2017
ICML	Intl. Conf. Machine Learning	2018
NeurIPS	Neural Information Processing Systems	2009, 2012-'15, 2018, 2020

Other conferences: ACCV (Asian Conf. Computer Vision), BMVC (British Machine Vision Conf.), EMMCVPR (Energy Min. Computer Vision & Pattern Recog.), ICPR (IEEE Intl. Conf. Pattern Recognition), ICVGIP (Indian Conf. Vision, Graphics, & Image Proc.), IJCAI (Intl. Joint Conf. Artificial Intelligence), RFIA (Reconnaissance des Formes et l'Intelligence Artificielle), SIGGRAPH Asia

National / Inria / Univ. Grenoble-Alpes service:

Deputy Scientific Director at Inria, in charge of AI.	May 2024–
Director of the PEPR IA research programme.	May 2024–
Jury member for recruitment of junior researchers at Inria, Rennes (once) and Grenoble (thrice).	2023–2025
Mission “ <i>Recrutement chercheurs</i> ” with Fabrice Rastello, Inria Grenoble.	Jan 2023–Dec 2024
Board member, Inria Alumni.	Dec 2022–
Member in-charge, Computer Science & Mathematics specialist field, École Doctorale MSTII, Université Grenoble-Alpes.	Sep 2022–
Member, <i>Commission des emplois scientifiques</i> , Inria Grenoble: Participate in recruitment campaigns of postdocs and visiting faculty.	Oct 2021–May 2024
Member, <i>Commission QVT</i> at LJK: Advise on improving the quality of work environment.	May 2021–
Member, <i>Commission prospection postes</i> : Rank the demands for faculty positions and PhD students from research teams at LJK.	March 2021–
Referent, HRS4R (Human Resources - Excellence in Research), Inria Grenoble: Advise on HR-related propositions for researchers.	Jan 2019–
Member, <i>Cellule Europe-International</i> , Inria Grenoble: I advise on potential collaborations and internship or PhD applicants from India.	Jan 2016–

SOFTWARE & DATASETS

In addition to participating in the development of software for our methods, I have been involved in producing datasets, to compare and evaluate approaches. These are available at <http://thoth.inrialpes.fr/people/alahari/soft.html>.

• <i>Software for General Continual Learning</i>	2025
• <i>Software for Satellite Metadata-Image Pretraining</i>	2024
• <i>Software for Semi-Supervised Instance Segmentation</i>	2024
• <i>Software for Semi-supervised Continual Learning</i>	2023
• <i>Software for LiDARTouch</i>	2023
• <i>Software for Semi-supervised Learning</i>	2023
• <i>Models Pre-trained with Synthetic Data</i>	2023
• <i>Software for Improving Generalization</i>	2023
• <i>Software for Learning Goal-Conditioned Policies Offline</i>	2022
• <i>Software for Bird’s-Eye-View Segmentation</i>	2022
• <i>VisSpeech Dataset</i>	2022
• <i>Software for Evaluating Concept Generalization</i>	2021
• <i>Software for Multimodal Transformer Model</i>	2020
• <i>Software for Motion-Augmented RGB for Action Recognition</i>	2019
• <i>Software for End-to-End Incremental Learning</i>	2019
• <i>Software for Actor-Observer Joint Learning</i>	2018
• <i>Charades-Ego Dataset</i>	2018
• <i>Software for Incremental Object Detectors</i>	2018
• <i>Software for Learning Video Segmentation with Visual Memory</i>	2017
• <i>Software for Learning Motion Patterns</i>	2017

- *Software for Online Object Tracking* 2017
- *Software for Weakly-supervised Semantic Segmentation* 2016
- *Software for Pose Estimation and Segmentation of Multiple People* 2015
- *Software for Human Pose Estimation in Videos* 2014
- *Poses in the Wild Dataset* 2014
- *Inria 3DMovie Dataset* 2013
- *Software and Dataset for Learning Graphs* 2013
- *IIIT-STR, Sports-10K, TV Series-1M Datasets* 2013
- *Software for Solving Detection and Segmentation Problems Jointly* 2012
- *IIIT 5K-Word Dataset* 2012
- *SVT-CHAR: Annotated Character Dataset* 2012
- *Software - Alpha-expansion Beta-shrink Moves for Markov Random Fields* 2011
- *INRIA-Video Dataset* 2011
- *Dataset for Vision Labelling Problems* 2010
- *Software - Efficient Solvers for Multi-Label MRFs* 2009

PUBLICATIONS IEEE Transactions on Pattern Analysis and Machine Intelligence (PAMI) and International Journal of Computer Vision (IJCV) are the main journals of computer vision. They are consistently rated as top journals in computer science (impact factor: PAMI and IJCV 24.314 (2023) and 13.369 (2023) resp.), with acceptance rate below 30%.

The main conferences in computer vision are IEEE Conference on Computer Vision and Pattern Recognition (CVPR), European Conference on Computer Vision (ECCV), and IEEE International Conference on Computer Vision (ICCV).

They are highly selective, with around 25% acceptance rate (less than 5% for oral), and their proceedings play a role which is as important as international journals. For example, according to the latest Google scholar statistics, CVPR has h5-index of 450, compared to 217 for PAMI and 109 for IJCV. (See <http://goo.gl/0u9A7T>)

Google Scholar profile: <http://goo.gl/MWwf3E> Hal profile: <http://goo.gl/gw4PzG>

Refereed journal articles - 10

H. Kwon, F. M. Castro, M. J. Marín-Jiménez, N. Guil, and K. Alahari, “Lightweight Structure-Aware Attention for Visual Understanding,” *International Journal of Computer Vision*, May 2025

A. Dasgupta, C. V. Jawahar, and K. Alahari, “Source-free video domain adaptation by learning from noisy labels,” *Pattern Recognition*, May 2025

P. Bideau, E. Learned-Miller, C. Schmid, and K. Alahari, “The Right Spin: Learning Object Motion from Rotation-Compensated Flow Fields,” *International Journal of Computer Vision*, January 2024

F. Bartoccioni, E. Zablocki, P. Pérez, M. Cord, and K. Alahari, “LiDARTouch: Monocular metric depth estimation with a few-beam LiDAR,” *Computer Vision and Image Understanding Journal*, January 2023

P. Tokmakov, C. Schmid, and K. Alahari, “Learning to Segment Moving Objects,” *International Journal of Computer Vision*, March 2019

N. Chesneau, K. Alahari, and C. Schmid, “Learning from Web Videos for Event Classification” *IEEE Transactions on Circuits and Systems for Video Technology*, October 2018

A. Mishra, K. Alahari, and C. V. Jawahar, “Unsupervised refinement of color and stroke features for text binarization,” *International Journal on Document Analysis and Recognition*, June 2017

A. Mishra, K. Alahari, and C. V. Jawahar, “Enhancing Energy Minimization Framework for Scene Text Recognition with Top-Down Cues,” *Computer Vision and Image Understanding Journal*, April 2016

G. Seguin, K. Alahari, J. Sivic, and I. Laptev, “Pose Estimation and Segmentation of Multiple People in Stereoscopic Movies,” *IEEE Transactions on Pattern Analysis and Machine Intelligence*, August 2015

K. Alahari, P. Kohli, and P. H. S. Torr, “Dynamic Hybrid Algorithms for MAP Inference in Discrete MRFs,” *IEEE Transactions on Pattern Analysis and Machine Intelligence*, October 2010

Top refereed international conferences

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